

**FCC ID: 2AQZL-ELT0802H**

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where:

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

BLE:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	1.54	1.43	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	3.36	2.17	3±1	4	2.51	<5	0.78474	3.00	YES
	2.480	3.53	2.25	3±1	4	2.51	<5	0.79114	3.00	YES

RED:

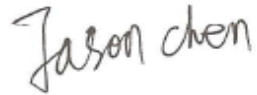
Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	2.71	1.87	3±1	4	2.51	<5	0.77860	3.00	YES
	2.441	3.25	2.11	3±1	4	2.51	<5	0.78490	3.00	YES
	2.480	3.64	2.31	3±1	4	2.51	<5	0.79114	3.00	YES
$\pi/4$ -DQPSK	2.402	1.60	1.45	2±1	3	2.00	<5	0.61847	3.00	YES
	2.441	2.28	1.69	2±1	3	2.00	<5	0.62347	3.00	YES
	2.48	2.41	1.74	2±1	3	2.00	<5	0.62843	3.00	YES
8-DPSK	2.402	1.79	1.51	2±1	3	2.00	<5	0.61847	3.00	YES
	2.441	2.43	1.75	2±1	3	2.00	<5	0.62347	3.00	YES
	2.48	2.66	1.85	2±1	3	2.00	<5	0.62843	3.00	YES

WIFI:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
B	2.412	8.9	7.76	8.5±1	9.5	8.91	<5	2.76834	3.00	YES
	2.437	8.9	7.76	8.5±1	9.5	8.91	<5	2.78264	3.00	YES
	2.462	8.6	7.24	8.5±1	9.5	8.91	<5	2.79688	3.00	YES
G	2.412	8.6	7.24	8.5±1	9.5	8.91	<5	2.76834	3.00	YES
	2.437	8.6	7.24	8.5±1	9.5	8.91	<5	2.78264	3.00	YES
	2.462	8.4	6.92	8.5±1	9.5	8.91	<5	2.79688	3.00	YES
N20	2.412	8.6	7.24	8.5±1	9.5	8.91	<5	2.76834	3.00	YES
	2.437	8.6	7.24	8.5±1	9.5	8.91	<5	2.78264	3.00	YES
	2.462	8.5	7.08	8.5±1	9.5	8.91	<5	2.79688	3.00	YES
N40	2.422	7.9	6.17	8±1	9	7.94	<5	2.47239	3.00	YES
	2.437	7.8	6.03	8±1	9	7.94	<5	2.48003	3.00	YES
	2.452	7.8	6.03	8±1	9	7.94	<5	2.48766	3.00	YES

**Conclusion:**

For the max result :  $2.79688\text{W/Kg} \leq 3.0$ , compliance with FCC's RF Exposure.



**Signature:**

**Date:** 2018-09-6

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